neoform MED FF

Version: 4 / GB | Replaces Version: 3 / GB | Date revised: 26.11.2021 | Print date: 08.11.23

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

neoform MED FF

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses

PC35	Washing and cleaning products (including solvent based products) disinfectants

1.3. Details of the supplier of the safety data sheet

Address:

Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlenhagen 85
D-20539 Hamburg
Telephone no. +49 40 789 60 0
Fax no. +49 40 789 60 120
www.drweigert.com

E-mail address of person responsible for this SDS:
sida@drweigert.de

1.4. Emergency telephone number

Emergency telephone number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3	H226	
Acute Tox. 4	H302	Route of exposure: oral
Skin Corr. 1B	H314	
Eye Dam. 1	H318	
Resp. Sens. 1	H334	
Skin Sens. 1	H317	
STOT SE 3	H335	
Acute Tox. 4	H332	Route of exposure: inhalative
Aquatic Acute 1	H400	
Aquatic Chronic 3	H412	

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Danger

Hazard statements

H226	Flammable liquid and vapour.
H302+H332	Harmful if swallowed or if inhaled.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor.
	Dispose only when container is empty and closed. For disposal of product residues, refer to safety data sheet.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains glutaral; didecyldimethylammonium chloride; benzalkonium chloride

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

isotridecanol, ethoxylated

CAS No. 69011-36-5

Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302	Route of exposure: oral
Eye Dam. 1	H318	

benzalkonium chloride

CAS No. 68424-85-1

EINECS no. 270-325-2

Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302	Route of exposure: oral
Skin Corr. 1B	H314	
Eye Dam. 1	H318	
Aquatic Acute 1	H400	
Aquatic Chronic 1	H410	

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acute 1	M = 10

didecyldimethylammonium chloride

CAS No. 7173-51-5
EINECS no. 230-525-2
Registration no. 01-2119945987-15
Concentration >= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302	Route of exposure: oral
Skin Corr. 1B	H314	
Eye Dam. 1	H318	
Aquatic Acute 1	H400	
Aquatic Chronic 2	H411	

Concentration limits (Regulation (EC) No. 1272/2008)

Aquatic Acute 1		M = 10

glutaral
CAS No. 111-30-8
EINECS no. 203-856-5
Registration no. 01-2119455549-26
Concentration >= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 2	H330
Acute Tox. 3	H301
Skin Corr. 1B	H314
Resp. Sens. 1	H334
Skin Sens. 1A	H317
STOT SE 3	H335
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 3	H335	>= 0,5 < 5 %
Aquatic Acute 1		M = 1
Aquatic Chronic 1		M = 1

propan-2-ol
CAS No. 67-63-0
EINECS no. 200-661-7
Registration no. 01-2119457558-25
Concentration >= 10 < 25 %
Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

Other information

Complete text of hazard statements in chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water. Take medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry powder, Foam, Carbon dioxide, Water spray jet

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case the product spills into sewage waters, immediately inform the authorities.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Do not pick up with the help of saw-dust or other combustible substances. Containers in which spilt substance has been collected must be adequately labelled. Dispose of as prescribed.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols. Perform filling operations only at stations with exhaust ventilation facilities. Keep container tightly closed.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. No smoking. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	>	0	<	25 °C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

Hints on storage assembly

Do not store with strong oxidizing agents.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place. Keep in a cool place

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

glutaral

List	EH40			
Type	WEL			
Value	0.2	mg/m³	0.05	ppm(V)
Short term exposure limit	0.2	mg/m³	0.05	ppm(V)
Remarks: Sen				

propan-2-ol

List	EH40			
Type	WEL			
Value	999	mg/m³	400	ppm(V)
Short term exposure limit	1250	mg/m³	500	ppm(V)

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Do not smoke during work time. Hold eye wash fountain available. Hold emergency shower available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Take off immediately all

contaminated clothing. Do not eat or drink during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Chemical resistant gloves

Use	Permanent hand contact		
Appropriate Material	neoprene		
Material thickness	>=	0,65	mm
Breakthrough time	>	480	min
Appropriate Material	nitrile		
Material thickness	>=	0,4	mm
Breakthrough time	>	480	min
Appropriate Material	butyl		
Material thickness	>=	0,7	mm
Breakthrough time	>	480	min
Use	Short-term hand contact		
Appropriate Material	nitrile		
Material thickness	>=	0,11	mm

Hand protection must comply with EN ISO 374.

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid	
Colour	blue	
Odour	characteristic, pungent	
Melting point		
Remarks	not determined	
Freezing point		
Remarks	not determined	
Boiling point or initial boiling point and boiling range		
Value	appr. 100	°C
Flammability		
evaluation	not determined	
Upper and lower explosive limits		
Remarks	not determined	
Flash point		
Value	37	°C
Method	DIN 51755	
Ignition temperature		
Remarks	not determined	
Decomposition temperature		
Remarks		
Remarks	not determined	
pH value		

Value	appr.	4,5		
Temperature		20	°C	

Viscosity

dynamic

Value	<	10		mPa.s
Temperature		20	°C	

Solubility(ies)

Remarks: not determined

Partition coefficient n-octanol/water (log value)

Remarks: not determined

Vapour pressure

Remarks: not determined

Density and/or relative density

Value		1,00		g/cm³
Temperature		20	°C	

Relative vapour density

Remarks: not determined

9.2. Other information

Odour threshold

Remarks: not determined

Evaporation rate (ether = 1) :

Remarks: not determined

Solubility in water

Remarks: miscible in all proportions

Explosive properties

evaluation: no

Oxidising properties

evaluation: None known

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.5. Incompatible materials

Reactions with strong alkalies and oxidising agents. Reactions with amines.

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

Species	rat			
LD50	300	to	2000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)			
Remarks	The classification criteria are met.			

Acute oral toxicity (Components)

glutaral

Species	rat			
	77			mg/kg
Method	OECD 401			

didecyldimethylammonium chloride

Species	rat			
LD50	300	to	2000	mg/kg
Method	OECD 401			

isotridecanol, ethoxylated

Species	rat			
LD50	300	to	2000	mg/kg

Acute dermal toxicity

Remarks	Based on available data, the classification criteria are not met.

Acute dermal toxicity (Components)

glutaral

Species	rabbit			
	>	2000		mg/kg

Acute inhalational toxicity

Species	rat			
LC50	appr.	6		mg/l
Duration of exposure		4	h	
Administration/Form	Dust/Mist			
Method	calculated value (Regulation (EC) No. 1272/2008)			
Remarks	The classification criteria are met.			

Acute inhalative toxicity (Components)

glutaral

Species	rat			
LC50	0,28	to	0,48	mg/l
Duration of exposure	4	h		
Administration/Form	Dust/Mist			
Method	OECD 403			

Skin corrosion/irritation

evaluation	corrosive
Remarks	The classification criteria are met.

Serious eye damage/irritation

evaluation	irritant - risk of serious damage to eyes
Remarks	The classification criteria are met.

Sensitization

evaluation	May cause sensitization by inhalation.
Remarks	The classification criteria are met.
evaluation	May cause sensitization by skin contact.

Remarks The classification criteria are met.

Subacute, subchronic, chronic toxicity

Remarks Based on available data, the classification criteria are not met.

Subacute, subchronic, chronic toxicity (Components)

glutaral

Sub-chronic toxicity

Route of exposure	oral		
Species	rat		
	5		mg/kg/d
Duration of exposure	90	d	

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Reproductive toxicity

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)

Single exposure

evaluation May cause respiratory irritation.

Remarks The classification criteria are met.

Repeated exposure

Remarks Based on available data, the classification criteria are not met.

Aspiration hazard

No special hazards have to be mentioned.

11.2 Information on other hazards

Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

There is no data available on the product apart from the information given in this subsection.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

glutaral

Species	Fathead minnow (Pimephales promelas)		
LC50	5,4		mg/l
Duration of exposure	96	h	

didecyldimethylammonium chloride

Species	zebra fish (Brachydanio rerio)		
LC50	0,97		mg/l
Duration of exposure	96	h	
Method	OECD 203		

isotridecanol, ethoxylated

Species	carp (Cyprinus carpio)			
LC50	1	to	10	mg/l
Duration of exposure	96	h		
Method	OECD 203			

Daphnia toxicity (Components)

glutaral

Species	Daphnia magna			
EC50	5			mg/l
Duration of exposure	48	h		

didecyldimethylammonium chloride

Species	Daphnia magna			
EC50	0,057			mg/l
Duration of exposure	48	h		
Method	OECD 202			

isotridecanol, ethoxylated

Species	Daphnia magna			
EC50	1	to	10	mg/l
Duration of exposure	48	h		
Method	OECD 202			

Algae toxicity (Components)

glutaral

Species	Selenastrum capricornutum			
LC50	0,81			mg/l
Duration of exposure	120	h		

didecyldimethylammonium chloride

EC50	0,053			mg/l
Duration of exposure	72	h		
Method	OECD 201			

isotridecanol, ethoxylated

Species	Scenedesmus subspicatus			
EC50	1	to	10	mg/l
Duration of exposure	72	h		
Method	OECD 201			

Bacteria toxicity (Components)

isotridecanol, ethoxylated

Species	activated sludge			
EC50	140			mg/l

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Results of PBT and vPvB assessment

The product contains no PBT or vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code	18 01 06*	chemicals consisting of or containing dangerous substances
EWC waste code	20 01 29*	detergents containing dangerous substances

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

EWC waste code	15 01 02	plastic packaging

Completely emptied packagings can be given for recycling.

EWC waste code	15 01 10*	packaging containing residues of or contaminated by dangerous substances

Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number or ID number	2920	2920	2920
14.2. UN proper shipping name	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (propan-2-ol, glutaral)	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (propan-2-ol, glutaral)	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (propan-2-ol, glutaral)
14.3. Transport hazard class(es)	8	8	8
Subsidiary risk	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 l	1 l	
Transport category	2		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant  ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Major-accident categories acc. 2012/18/EU

Category	P5c	FLAMMABLE LIQUID	5000000	kg	50000000	kg
Category	E1	Hazardous to the Aquatic Environment	100000	kg	200000	kg

Ingredients (Regulation (EC) No 648/2004)

less than 5 %:

non-ionic surfactants

Further ingredients

disinfectants, perfumes

Water Hazard Class (Germany)

Water Hazard Class (Germany)	WGK 3
Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV

VOC

VOC (EU)	0	%

Other information

The product contains SVHC-substances

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3	H226
Acute Tox. 4	H302
Skin Corr. 1B	H314
Eye Dam. 1	H318
Resp. Sens. 1	H334
Skin Sens. 1	H317
STOT SE 3	H335
Acute Tox. 4	H332
Aquatic Acute 1	H400
Aquatic Chronic 3	H412

Hazard statements listed in Chapter 2/3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2

Flam. Liq. 3	Flammable liquid, Category 3
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
IMDG: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)
IBC: Intermediate Bulk Container
CAS: Chemical Abstracts Service
TSCA: Toxic Substances Control Act (USA)
VOC: Volatile Organic Compound
OEL: Occupational exposure limit
ISO: International Organization for Standardization
LD: Lethal dose
LC: Lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
IUCLID: International Uniform Chemical Information Database
OECD: Organisation for Economic Co-operation and Development
IMO: International Maritime Organization
GHS: Globally Harmonized System of classification and Labelling of Chemicals
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
UN: United Nations

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.